

West German View of Trends in East German
Trade, by Hans Dieter Schmid, 5 pp.
GERMAN per, Die Zeit, 15 Oct 1965, p 36
JPMB 32573 22

RE German

Recd.
Nov 65

Schu 13, Hans D. 291,553

117
Dirrector General Assesses Rail Vehicle Industry,
by Karl-Heinz Schulz, 5 pp.
GERMAN, por, Deutsche Eisenbahntechnik, East Berlin,
Mar 1969, pp 103-104.
JPRS 47844

Sci-Mech
May 69

381,387

Karl-Heinz Schulz

17

Prospects of Rail Vehicle Industry Outlined, by Karl-Heinz Schulz, 5 pp.
GERMAN, per, Deutsche Eisenbahntechnik,
March 68, E. Berlin, pp. 103-105.
JPRS 45,421

Karl-Heinz Schulz

SR(E. Germany)

Economic

May 68

357,911

Status and Improvement of Cooperation
Relationships in Amelioration, by K.
Schulz, 5 pp.
GERMAN, per, Wirtschaft, Vol 6,
No 12, Dec 1965, pp. 551-552.
JPRS 33647

p11

M. Schulz

West-Germany
Econ
Dec 66

24,855

Activities of Rostock Fishing Institute
Reviewed, by P. Schulz, 14 pp.
GERMAN, per, Schiffbauwesen, Rostock-Marienstr.,
Oct 1968, pp 574-579.
JPRS 47,200

10

P. Schulz.

Sci-Tar Sci & Oceanog
Jan 69

372,390

REQ TR CHECK

8-5-7

TRN1

NEW RESULTS OF FLIGHT MECHANICS
SCHULZ, W., HAMEL, P.
IIR ATTACHMENT 406 pgm

Process in as

HC72-23-1634

N₄₂₀ F₀₀ Doc

The Application of High-current to Electrolysis, 74
by W. Schulz.
GERMAN, per, Chemie-Ing-Tech, Vol 41, No 4,
1969, pp 178-179.
CIOB
O.A. 1005

w schulz

Sci-Elec
Oct 69

394,611

48

Experimental Studies to Determine How the Attack
by Reticulitermes lucifugus (Rossi) on Pine
Sapwood is Influenced by Microorganisms Naturally
Occurring in "Gruhstorfer Einheitserde" (Standardized
Soil), by W. O. Schulz & H. Rieswandt,
GERMAN, per, Material und Organismen, Vol 2,
No 2, 1967, pp 109-119.
ACSI J-4585
ID 2204012568

Sci/Agri
Apr 68

356,562

High Strength Martensitic Steels, by G. Schulze.
GERMAN, par, Schweissen Schneiden, Vol 21, May
1969, pp 212-222.
*BISI 8243

108

Sci-Mat
May 70

G. Schulze

SCHULZE, G. Evaluation of literature dealing with high
strength steels completely transformed to bainitic structure.
Schweiss.Schneid. 20:228-30 (1968) (CRL/T. 3986x)

Electrochemical Reduction of Chromic Acid-containing Waste Water, by G. Schulze.
GERMAN, per, Galvanotechnik, Vol 58, No 7,
1967, pp 473-480.
HTC-69-16359-07A

42

G. Schulze

Sci-BW
Feb 70

403,100

Problems of High-Voltage DC Transmission, by
H. Schultze.
FRANCE, par, Elektrizitätswirtschaft, No 10,
1967, pp 237-242.
+USOK/MR TT 70-58176

Sci-Bloc
June 70

H. Schultze

~~H. Schultze~~

Economic Criteria for Evaluating the
Obsolescence (Overhauling) of Chemical
Plants (Part I), by H. Kelbel, J. Schulze.
GERMAN, per, Chem Eng Techn, Vol XXXVIII,
No 4, 1966, pp 397-403.
Chem Trans Sv No 2737

171

J. Schulze

Sci-Chem
May 67

320,003

Optical Method for Estimation of the Amorphous Component in Pyrolytic Carbon, Part 1, by
K. Kozluk, H. A. Schulze, 17 pp.
GERMAN, rev., JUL-589, April 1969.
AEC/SC-T-73-4023

H.
H. A. Schulze

Sci/Mater
Sept 70

Status of the Communications System and of
the Postal Service, by Arnolph Schulze, 5 pp.
CIA, sp, Presso-Informationen, No 98
(2663), 3 Sep 1965.
JPNB 32680

ab - East Germany
Loesn
Rev 65

291,744

64

Information on East German Chemical Products.
by W. Schulze, 8 pp.
GERMAN, per, Chemische Technik, No 7, Jul 1967,
pp 442-444.
JPRS 42555

W. Schulze

Sci-Chem
Oct 67

340.755

Symposium on Construction and Roadbuilding
Machinery in Moscow, by W. Schulze. 12 pp.
GERMAN, per, Die Strenze, No 1, 1965,
pp 23-25; 504 5, Berlin N 8.

ACSI J-0187
ID 2294033366

63

W Schulze

Sci-Engr
Jul 66

304,332

104

from Gru Vanni, in Liberia, by Willi Schulze,
24 p.
London, per, Geographical review, Vol XVII,
no 11, 1905.
and no 61, 642, Vol XVII, no 11

Willi Schulze

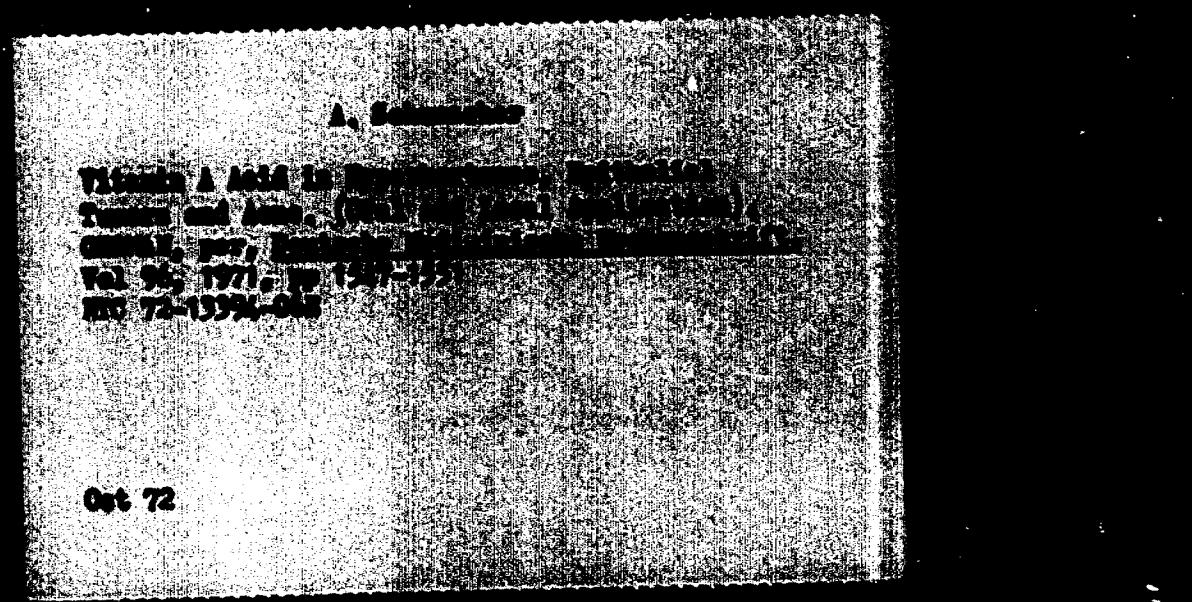
104-1000
JUN 76

301,302

Chemical Sabotage Poisons, by Herbert Schulzen.
GERMAN, rpt, Enc1 to IR 2-252-0829-69,
18 Nov 1969.
DIA LN 564-70

Herbert Schulzen

Feb 70



Submicroscopic Structure of Thrombocytes, Lymphocytes, and Monocytes of the Domestic Chicken. 46
(*Gallus Domesticus*), by Alfred Schumacher.
GERMAN, per, Zeit Zellforsch Mikroskop Anat, Vol
66, 1965, pp 219-232.
AEC-ANL-Trans-624

Alfred Schumacher

Sci-B&I
Aug 68

364,588

Quenching of Metals - Experimental Techniques
and Results, by L. Schumacher.
GesAM, per, Z. Anorg. Chem., No 26, 1969, pp 380-
381.
*1185 TT 70-57534

45

Sci-Mat
Aug 70

D. Schumacher

Hybrid Networks in Thick Layer and Thin Layer
Techniques, by F. J. Mika, H. Schumacher.
CERN, par, Stargen Nachrichten, No 41, Apr
1968, pp 1136-1139.
ELL Ref: 9022.01 (2556) *890*

Sci-Bloc
Oct 69

395.130

SCHUMACHER K.

GW

TRENDS IN THE DEVELOPMENT OF CHEMICAL WARFARE
AGENTS

Z FUER MILITAERMEDIZIN 1969 NO 2 PP 74-76

FSTC-HT-23-0010-73

Vietnam - NATO's Testing Field for Chemical Weapons, by K. Schumacher. 6 pp.
GERMANY, per, Zeitschrift für Militärmedizin,
No 2, 1968, p. 82-84.
AIK/PTD/PT-23-338-69

(S)

K. Schumacher
sci/b and n
May 70

K. Schumacher

Organophosphate Antidotes, by K. Schumacher.
GERMAN, per, Zeitschrift fuer Militaermedizin, Vol 9,
July 1968, pp 285-289.
*TSTC-HT-23-1017-72

Dec 71

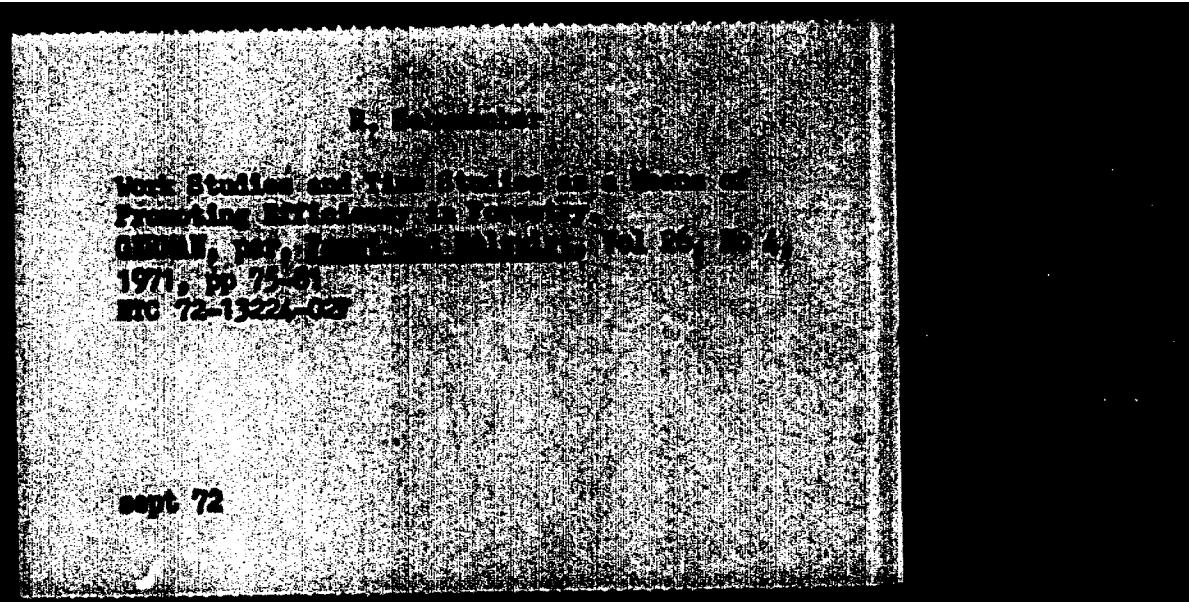
48

Antidotes for Organophosphate Poisoning, by
K. Schumacher, 13 pp.
GERMAN, per. Zeitschrift für Militärmedizin,
West Berlin, No 5, 1968, pp 285-299.
JPRS 48003

Sci-B and M
June 69

K. Schumacher

381,665



Magnesium Master Alloys and Their Intro- 58
duction into Cast Iron Melts for the
Production of Spheroidal Iron Melts for the
Production of Spheroidal Graphite Cast
Iron, by W. Schumacher,
GERMAN, per. Techn. Mitt., Vol 58, July
1965, pp 379-386.
BISI 8414

Sci/Mat
Jan 81

W. Schumacher

Magnesium Key Alloys and the Introduction of These
into Cast Iron Melts to Produce Cast Irons with
Spherical Graphite, by W. Schumacher,
GERMAN, per. Techn. Mitt., Vol 58, No 7, 1965,
pp 379-386.
WZB/SA

44

Sci/Mar
Aug 70

W. Schumacher

Agency: USAEC - HASL

9320/0096

12 March '73

P.O. No. 73-1695
Source, Auszug aus dem Jahresbericht 1971, des physikalischen
Institutes, Univ. Heidelberg.

Title: Works of the Laboratory for Environmental
al Radioactivity

Author: G. Schumann et al. Location - Germany

Special Instructions: Please translate and type
one copy of pages
50 - 94.

Electronic Lifeline, by G. Schumann, H. Kramer. 113
CERN, per, Poseidon, No 81, Sept 1968. 170
ACSI J-7012

G. Schumann

Sci-Elec
July 69

388,558

Walter I, by G. Schumann, H. Kramer.
GERMAN, per, Poseidon, No 81, Sept 1968.
ACSI J-7016

170

G. Schumann

Sci-Disc
July 69

388,554

Hexagonal Crystal Structure of Fe Alloys with
Transition Metals, by H. Schumann
GERMAN, per, Z. Metallk., Vol 58, Mar 1967,
pp 207-210.
REF ID: A6206

79

Sci-Materials
Feb 69

369,569

9.7
Manganese Crystal Structure of Fe Alloys with
Transition Metals, by H. Schumann.
Gesamt., par, Z. Metallk., Vol 58, Mar 1967,
pp 207-210.
HLL Ref:9022.06 (6206)

H. Schumann

Sci-Phys
Feb 70

401,502

The Change in Length of the Transformation in
Iron, by H. Schumann,
GERMAN, per, Neue Rette, Vol 11, July 1946,
pp 436-437.
#BISI 5815

H Schumann

Sci - Chem
Aug. 67

340,095

Dept.

Hartensitic Transformations in Low-Carbon
Manganese Steels, by H. Schumann.
GERMAN, per, Arch Eisenh, Vol 38, Aug 1967,
pp 647-656.
BISI 6229

115

H. Schumann
Sci/Mat
Nov 68

370,092

129
Stability of the Hexagonal ϵ -Phase in Iron
Alloys, by J. Schumann.
CERN, Ser., Les Houches, Vol 13, Aug 1968,
pp. 473-482.
SISI 7021

J. Schumann

Sci/Materials
Aug. 69

388,589

The Development of an Integrated Flight Guidance 45
and Control System for Modern High-Performance
Aircraft, by H.-G. Schumann, et al.
ZAMM, v.11, Deutsche Gesellschaft für Luft- und
Raumfahrt, Jahrestagung, Berlin, West Germany,
Paper 41, Sept 22-24, 1969, 25 pp.
*DDIA DT 1-12-752

H.-G. Schumann

sci/aeronautics
apr 70

New Procedures for Winter Work in Brown
Coal Strip, by Horst Schumann and Dieter
Rothe, 11 pp.
Gesamt, per, Bergbautechnik, Vol 15, No 11,
Nov 1965, pp. 512-516.
JPSB 33740

p 11

Horst Schumann

West Germany
Bochum
Jan 66

294,916

J. Schumann

REC (LA-tr-72-21) PULSE CYTOPHOTOMETRY OF DNA
IN SKIN TUMORS. Schumann, J.; Ehring, F.; Gohde, W.; Dittrich,
W. Translated for Los Alamos Scientific Lab., N. Mex., from
Arch. Klin. Exp. Dermatol.; 239: 377-89(1971). 17p. Dep.
NTIS.

biomed; translations 06

MN-48 P NSA

Atomic Cooperation of Bonn With Tel Aviv,
Pretoria, and Madrid, by Kurt Schumann.
GERMAN, per, Einheit, Vol XXI, No 7,
1966, pp 926-932.
JPRS CSO: NY-13701

R-294/67

WEur - Germany
Econ
Jun 67

326,153

SCHUMANN, M. Regression curve of production costs in
concrete works.
Baustoffindustrie 12(3):89-90 (1969) (GB 21/1522)

Investigations of Epithermal Neutron Spectra
by Means of Thin Resonance Foils, by
P. Schumann & D. Albert. 10 pp
Kusejek, par. Kernenspele, No 2, 1965, pp 93-92.
P100103068-V
FTD-HT-23-821-6?

90

P Schumann
Sci/Phys
June 68

359.312

118
Investigations on Sensitivity to Impact of
Reinforced Concrete Ties, by E. Knoll, R.
Schumann, 31 pp.
GERMANY, pos, Signal und Richtung, No 9, Sept
1966, pp 373-380; 370-372; 373-375; 373-389;
381-384.
DIA LR 319-67-Z

Sci-Mech
Jan 68

347,883

Dunham
Investigations of Epithermal Neutron
Spectra by Means of Thin Resonance Foils,
by P. Schumann, D. Albert.
DUGGAN, per, Koenigsberg, No 2,
1965, pp 88-92.
•FTD HT 23-821-67

(2)

P. Schumann

Sci-Phys
May 67

Investigation of the Electrostatic Charging
of Films, by W. Schumann.
GERMANY, per, Wissenschaftl. Wiss. Photoch. Mit.,
Vol 10, 1965, pp 379-400.
Chem Trans 5v 2063

59

W. Schumann

386,318

Sci - Chemistry
May 67

The Development of an Integrated Flight Guidance
and Control System for Modern High-Performance
Aircraft, by H. G. Schumann. 26 pp.
GERMAN, rpt, Deut Ges fuer Luft und Raumfahrt,
Paper 41.
NASA TT F-12,752

39

Sci-Aero
Jul 70

H. G. SCHUMMANN

A Simple Method for Measuring the Corrosion
Resistance of Metals and the Effect of
Corrosion Inhibitors, by W. Schunknecht,
L. Hins, G. Calman.
GERMANY, per, ~~Archiv und Kabinett-Bericht-~~
~~schule, Vol 10, 1965, pp 725-5.~~
REF-413900

W. Schunknecht

331, 554

Sci - Mech
Jul 67

Clinical Aspects and Modern Therapy of
Acne. Experiences with a New Anti-acne
Agent, by H.-J. Schuppener. *83*
GERMAN, per, Deutsches Medizinisches
Journal, Vol 17, No 12, 1966, pp 711-714.
NTC 69-12627-06E

H-J. Schuppener

Sci-R&M
Aug 69

388,480

Determination of State of Surface During O
Corrosion, by G. Pfeifferhorn, K. Schur.
Chemie, Physik und Technik, Vol. 19,
1968, pp 855-862.
HLL Ref: 9022.401 (746/33)

Sci-Materials
Oct 69 395,833

Simplified Method of Measurement of Temperature Fields Behind the Combustion Chambers of Turbo-jet Engines, by G. Schurek.
GLINN, per, Zvezdovka VZLs, No. 3, 1966, pp. 88-110.
NASA TT F-11, III

COMMITTEE ON SCIENCE

Sci-Audi Sci

Nov 67

344,880

24
Long-Range Economic Forecasting and Structural
Policy, by Gerhard Schurer, 12 pp.
GERMAN, par. Einheit, East Berlin, Vol 22,
No. 12, Dec 67, pp. 1464-1473.
JPRS 44,928

(East Germany)
Economic
Jan 68 347,983

Problems Inherent in Future Work on Long-
Range Plan, by Gerhard Schurer, 11 pp.
GERMANY, pub., Die Wirtschaft, 24 Mar 1966,
pp. 4-5.
JPRS 35537

24

GERHARD SCHÜLER

West-Germany
Book
May 66

300,312

57
Rocketsonde wind measurements up to the mesopause in Sardinia, by H. Schurer,
DRLM, rpt. Windmessungen mittels Meteorologischer Raketen bis zur Mesopause in Sardinien.
Report on Federal Ministry of Defense Contract
No T-472 dated April 1965, 56 pp. 100007066
AFML T-4-248

Sci-
Sept 66

300,065

E. Schurmann

Effect of Oxygen Enrichment on the Temperature
Profile and the Reduction Process in the
Ferro-Manganese Blast Furnace,
by L. Schurmann,
GERMAN, per. Stahl Eisen, Vol 88, No 13,
1969, pp 665-673.
BISI 9803

June 72

Importance of the Temperature and Ferrous Oxide
Content of the Slag During the Dissolution of Lime⁹⁸
in the Basic Open Hearth Process, by¹⁰⁴
E. Schurmann, et al.
GERMAN, per, Arch. Eisenh., Vol 39, No 11,
November 1968, pp 815-821.
BISI 7058

E. Schurmann

Sci-Mat
May 69

382,411

Melting Steel by Means of Oxygen-Oil Burners in a
10-Ton Circular Furnace, by E. Schumann
GERMAN, per, Seahl Eisen, Vol 85, 3 Nov 1966,
pp 1473-1477
BISI 5390

E. Schumann

Wear
Sci/MICRO
Oct 67

341723

Removal of Oxygen During Solidification
of Casting Steel After Teeming, by
E. Schurmann, P. Hadjisarosso, et al.
SAARL, pcr, Stahl und Eisen, Vol 85,
28 Jun 1965, pp 61-71.
BISI 4124

E. Schurmann

LL-Cer
Sci/Ban
Jim W

181005

103

Investigation of the Rimming Action and
the Solidification of Effervescent Steel,
by H. Schurmann et al.
GERMAN, per, Arch. Eisenh., Vol 36, Sept.
1965, pp 619-631.
BISI 4579

E. Schurmann

Sci-MAN
June 66

303.543

The Water Gas and Carburizing Reactions Taking
Place in the Open-Coil, Bell-Type Annealing
Furnace, by E. Schurmann, J. H. Wesseling.
GERMAN, per, Stahl Eisen, Vol 88, 28 November 1968,
pp 1338-1348.
BISI 7121

104

E. Schurmann

Sci-Mat
May 69

382,681

S-4

Desulfurization of Cast Iron with Calcined Carbide
in a Three-Ton Shaker Ladle, by E. Schumann &
W. Bohnet.
Gesamt., per, Gesamt., Vol 55, No 1, 1968,
pp 7-14.
RB 7381

E. Schumann

Sci/Mat
June 68

358.227

87

Nitrogen Movement in the Open-Hearth Furnace, by
E. Schurmann.

GERMAN, per, Stahl Eisen, Vol 87, 27 Jul 1967,
pp 889-897.

HISI 5972

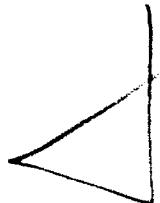
Sci/Mat
May 68

356,636

E Schurmann

The Water Gas and Carburizing Reactions Taking
Place in the Open-Coil, Bell-Type Annealing
Furnace, by E. Schurmann, J. M. Wesseling.
GERMAN, per, Stahl Eisen, Vol 88, 28 November 1968,
pp 1338-1348.

BISI 7121



Sci-Mat
May 69

382,681

SCHURMANN, E. and MICHAEL. J. Evolution of water
gas and carburising reactions in the bell-type open coil
annealing furnace.

Stahl Eisen 88:1338-48 (1969) (GB 153/1889)

Schurmann, E.

Laws Controlling the Distribution of Nitrogen
Between Pig Iron and Slag in the Blast Furnace,
by E. Schifmann.
GERMAN, per, Stahl Eisen, Vol 87, 1 June 1967,
pages 649-654.
BIBI 6021

82

83

E. Schifmann

Sci/Materials
January 1968

341,927

Removal of Oxygen During Solidification of
Brimming Steel after Teeming, by E. Schurmann.
GERMAN, per, Stahl und Eisen, No 85, 1965,
pp 61-71
GB 41/4124 - 190/-

E. SCHURMANN

Sci -
Jul 67

334,148

Degulphurisation of Cast Iron with Calcium Carbide in a Basic-Lined 3-Ton Shaking Ladle,
by E. Schurmann & W. Bohner.

GERMANY, per, Gießerei, Vol 55, No 1, 1968,
pp 7-14.

*KB 7381

90

Sci/rat
Mar 68

E. Schurmann

M. Schurmann

An Optical and Electron Microscope Investigation of the Morphological Changes of the Surface of Steel Sheet during Degreasing, Pickling and Passivating before Annealing, by P.K. Arzola and M. Schurmann, *Stahl und Eisen*, Vol 10, Jan., 1969, pp. 11-16.
SISI 8934

Sep 71

Rodolfo Schurmann
Proposed Security Measures and Penal Code
Analysed, by Rodolfo Schurmann, 7 pp.
SPANISH, np, Abores, Montevideo, 10 Apr 1972,
pp 6-7,
JPRS 55951

May 72

Calculation of Optimum Drilling Nets in the Search for
Deposits With Given Dimensions, by A. M. Schurrgin.
GERMAN, per, Zeitschrift fuer Angewandte Geologie,
Vol 15, No 3, 1969, pp 156-159.
#USDI/BR TT 71-55114
Available BR Only

A. M. Schurrgin

July 71

J. Schurz

The Analytical Aspects of Cellulose and
Pulps. Main Topic of the Cellulose
Chemist's Round-Table Discussion Held
at the 1965 Annual Meeting in Baden-Baden,
by J. Schurz.
GERMAN, per, Papier, Vol 20, No 2,
1966, pp 66-85
NTC 72-12395-11L

July 72

Representation of Electromechanical Ceramic
Transducers as Thickness Shear Vibrators with
Piezoelectric and Piezomagnetic Excitation,
by Hans Schüssler.

GOVERNMENT USE ONLY

GERMANY, per, Archiv für Elekt Thert, Vol 22,
1968, pp 399-406.
DAV/ERL/Tran-1180-69

Hans Schüssler

Oct 69
Sci-Mee

393,251

On the General Theory of the Link Structures, by
Wilhelm Schüssler.

CIRIAK, Per, Archiv der Elektrischen Übertragung,
No 22, Aug 1968, pp 361-367.

74

*ATCFL

WILHELM SCHÜSSLER

Sci/Elect
Oct 69

Determination of Light Elements in Silicon and
Selenium by Ion Activation Analysis, by
E. Schuster.

CHIRAN, per, Zent für Anal Chemie, Vol 245,
No 4, 1969, pp 239-250.

*AFCL

b1

E. Schuster

Sci-Chem
Nov 69

Chemolithotrophic Growth of Hydrogenomonas H 16
Using Electrolytic Production of Hydrogen and
Oxygen in a Chemostat, by E. Schuster,
H. G. Schlegel.
GOVERNMENT USE ONLY
GERMANY, per, Archiv für Mikrobiologie,
Vol 58, 1967, pp 380-389.
NASA TT F-11,645

Sci
Dec 68

371,142

Report On the Installation of a Split
Cooper Roller Bearing On a Bucket-Wheel
Dredger, by E. Schuster.
GERMAN, per, Bergbautechnik, Vol 15, No
11, 1965, pp 603-606.

SEC

E. Schuster

Sci -
Jul 67

333,906